GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:2731
ANSWERED ON:15.03.2001
TEHRI HYDRO ELECTRIC PROJECT IN EARTHQUAKE ZONE
RAM JEEVAN SINGH;RAMCHANDRA PASWAN

Will the Minister of POWER be pleased to state:

(a) whether the Tehri Hydro Electric Project is located in one of the most earthquake prone zones of the world; and

(b) if so, the strategy contemplated by the Government to meet any eventuality?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA)

(a) & (b) : As per the code 1893-1984 of Bureau of Indian Standards, India has beendivided into five seismic zones and Zone V is highly active zone. The Tehri Dam is situated in Seismic Zone-IV.

The Tehri Dam has been designed to withstand the seismic potential of the area and the Dam design incorporates various special features to make it a fail-safe structure. The Dam design has been examined and tested by various Committees/ Group of Experts constituted by the Government from time to time and the Dam has been found to be safe even in the context of worst case scenario.

In view of the continuing concern relating to seismic safety of the Tehri Dam, a Group of Experts was constituted in June, 1996 to further examine the issue of seismic safety of Tehri Dam. This Group in its report concluded that the design of the dam was safe to withstand the Maximum Credible Earthquake.